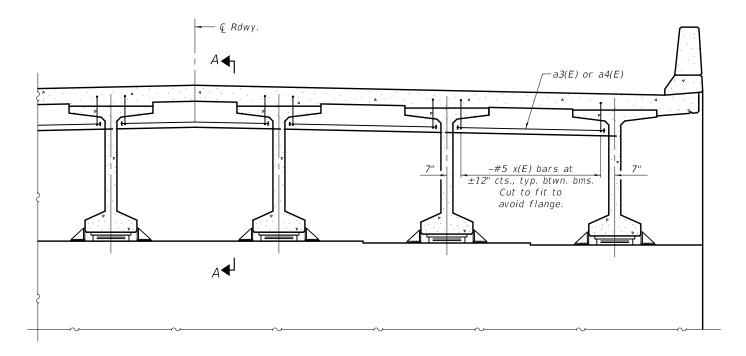
CELL / MODEL NAME	DESCRIPTION	DATE
DEA-BT6372-0	Diaphragm expansion abutments; Bulb T-Beam 63-72 inch beam depth	2/17/2017
DEA-BT6372-LR	Diaphragm expansion abutments; Bulb T-Beam 63-72 inch beam depth; L/R skew	2/17/2017
DEA-I3642-0	Diaphragm expansion abutments;I-Beam 36-42 inch beam depth	2/17/2017
DEA-I3642-LR	Diaphragm expansion abutments;I-Beam 36-42 inch beam depth; L/R skew	2/17/2017
DEA-I4854-0	Diaphragm expansion abutments;I-Beam 48-54 inch beam depth	2/17/2017
DEA-I4854-LR	Diaphragm expansion abutments;I-Beam 48-54 inch beam depth; L/R skew	2/17/2017
DEA-IL27-0	Diaphragm expansion abutments;IL 27 inch beam depth	2/17/2017
DEA-IL27-LR	Diaphragm expansion abutments;IL 27 inch beam depth; L/R skew	2/17/2017
DEA-IL36-0	Diaphragm expansion abutments;IL 36 inch beam depth	2/17/2017
DEA-IL36-LR	Diaphragm expansion abutments;IL 36 inch beam depth; L/R skew	2/17/2017
DEA-IL36N-0	Diaphragm expansion abutments;IL 36 inch beam depth narrow top	2/17/2017
DEA-IL36N-LR	Diaphragm expansion abutments;IL 36 inch beam depth narrow top; L/R skew	2/17/2017
DEA-IL4554-0	Diaphragm expansion abutments;IL 45-54 inch beam depth	2/17/2017
DEA-IL4554-LR	Diaphragm expansion abutments; IL 45-54 inch beam depth; L/R skew	2/17/2017
DEA-IL4554N-0	Diaphragm expansion abutments; IL 45-54 inch beam depth narrow top	2/17/2017
DEA-IL4554N-LR	Diaphragm expansion abutments; IL 45-54 inch beam depth narrow top; L/R skew	2/17/2017
DEA-IL6372-0	Diaphragm expansion abutments;IL 63-72 inch beam depth	2/17/2017
DEA-IL6372-LR	Diaphragm expansion abutments; IL 63-72 inch beam depth; L/R skew	2/17/2017
DEA-IL6372N-0	Diaphragm expansion abutments; IL 63-72 inch beam depth narrow top	2/17/2017
DEA-IL6372N-LR	Diaphragm expansion abutments; IL 63-72 inch beam depth narrow top; L/R skew	2/17/2017

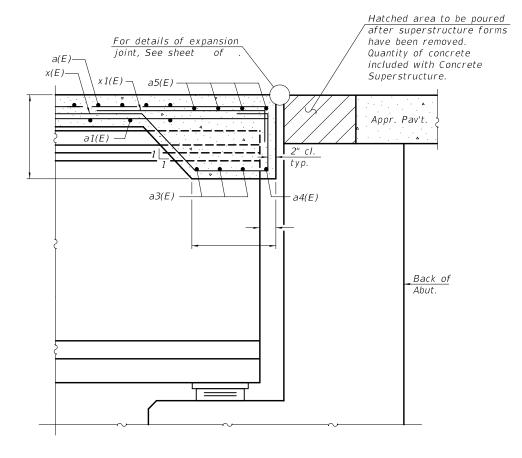


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

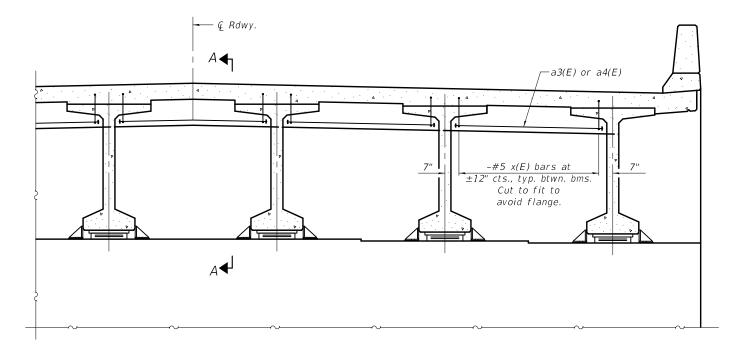
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-BT6372-0

DLA-DIOJIZ-0	2-17-2017						
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A. SECTION COUNTY TOTAL SHEET	l
		CHECKED -	REVISED -	STATE OF ILLINOIS		NILE IS NO.	1
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.	CONTRACT NO.	1
	PLOT DATE =	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT	1

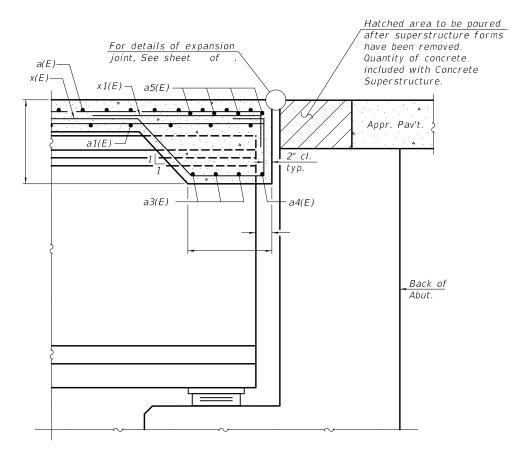


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

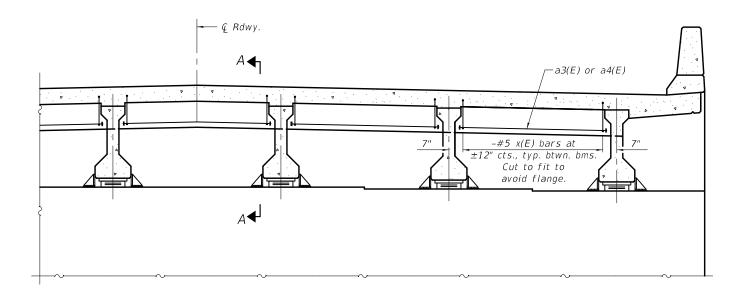
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



 $\frac{SECTION A-A}{(at Rt. L's)}$ 

DEA-BT6372-LR

F	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY SE	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS					100
	PLOT	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT N	١٥.
L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

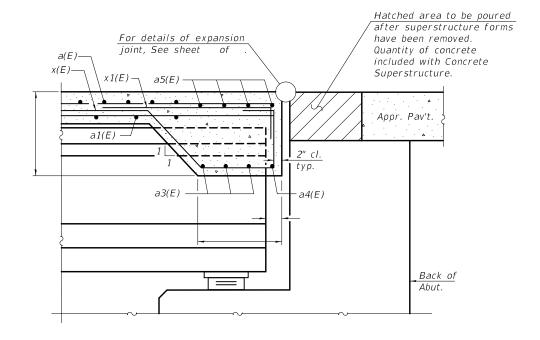


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

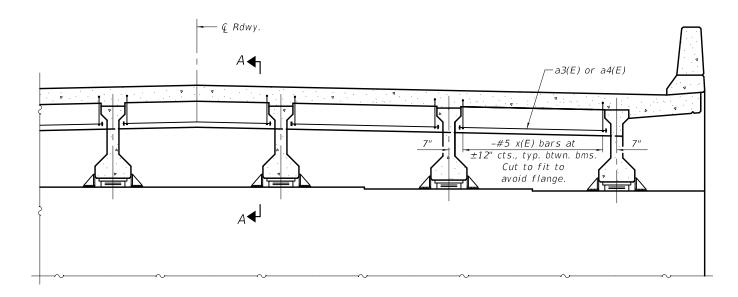
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DFA-13642-0

DLA-13042-0	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		KIL.		+	SHEETS NO.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	

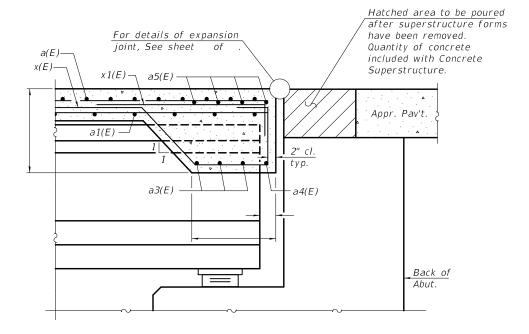


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

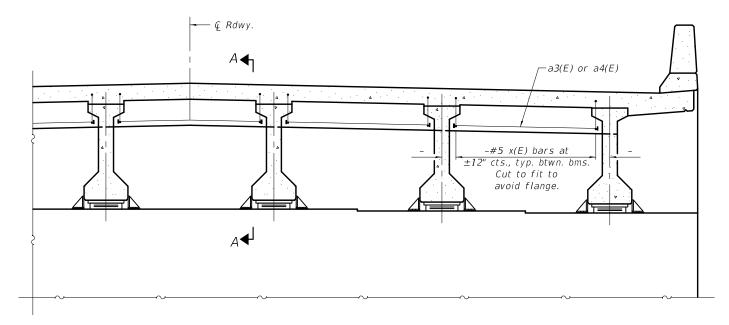
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-13642-LR

F	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY SE	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS					100
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L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

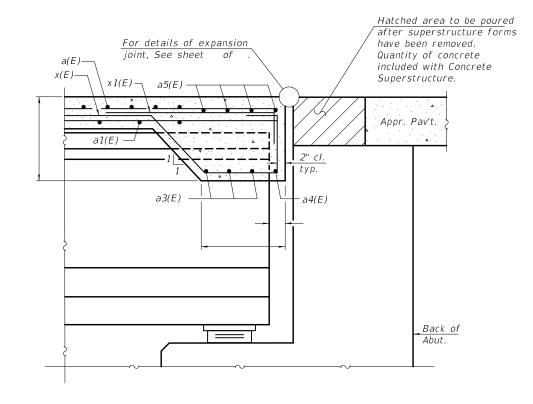


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure

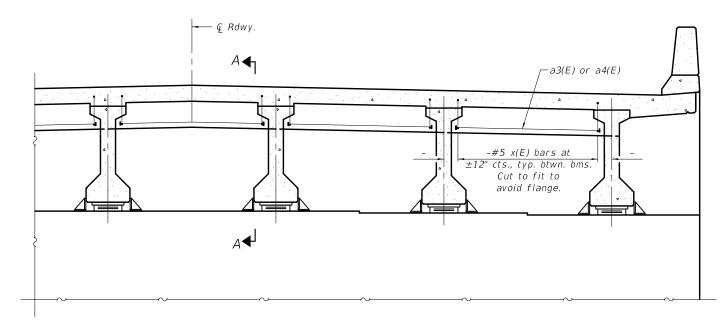
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-14854-0

F	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY SE	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS					100
	PLOT	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT N	١٥.
L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

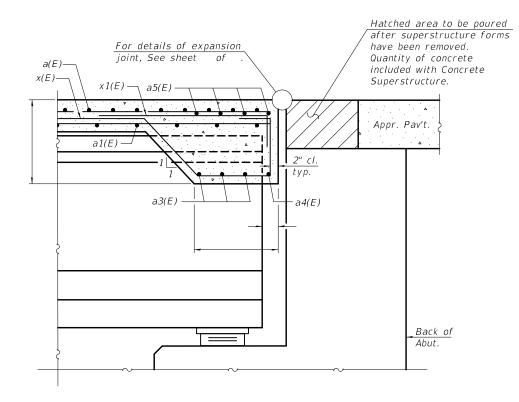


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $\ \ \ \$  of  $\ \ \ .$ 

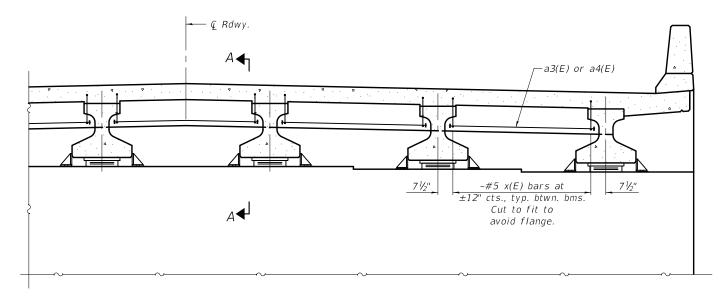
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-14854-LR

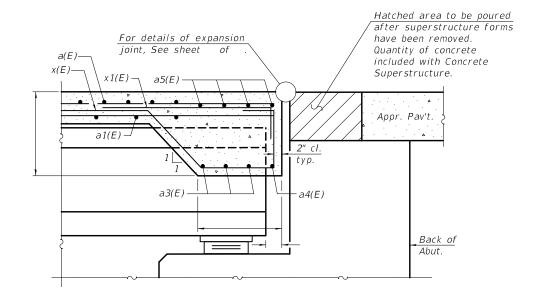
DLA-14034-LN	2-17-2017								
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		CHECKED -	REVISED -	STATE OF ILLINOIS		1112.		- STILL 13	
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT NO.	
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	. AID PROJECT	$\overline{}$



DIAPHRAGM AT ABUTMENT

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

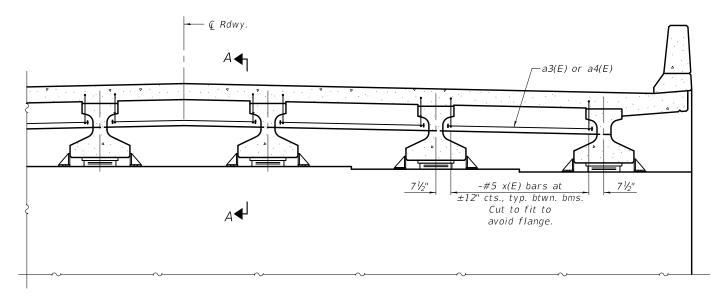
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DFA-1127-0

DLA-ILZI-U	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		1112		+	SHEETS NO.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	

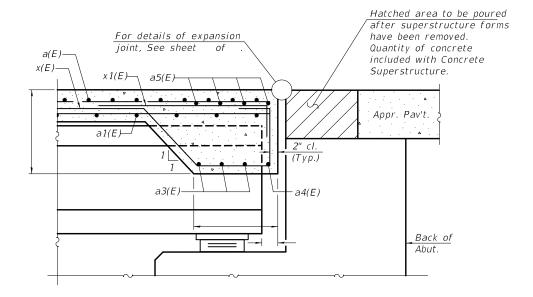


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

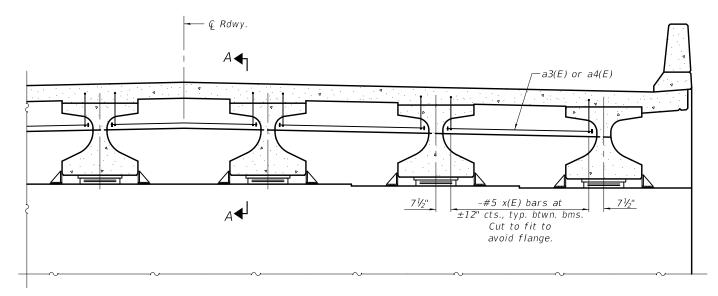
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL27-LR

FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A. SEC	CTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		11112			SHEETS NO.
PL	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -					PROJECT	

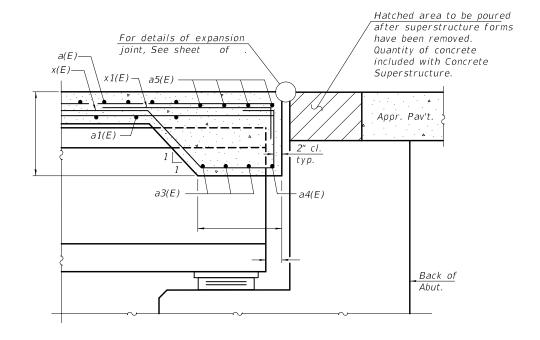


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

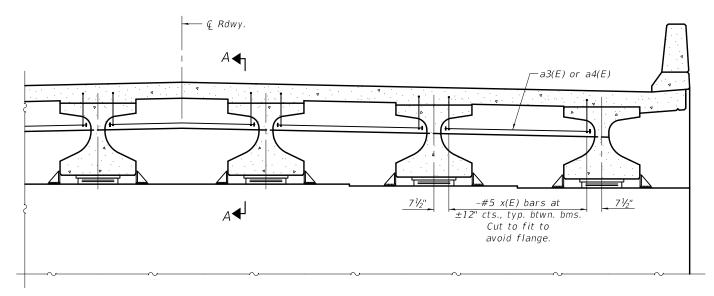
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-IL36-0

	DLA-1L30-0	2-17-2017								
Ī	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS		K1C-		<del></del>	SHEETS NO.
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	



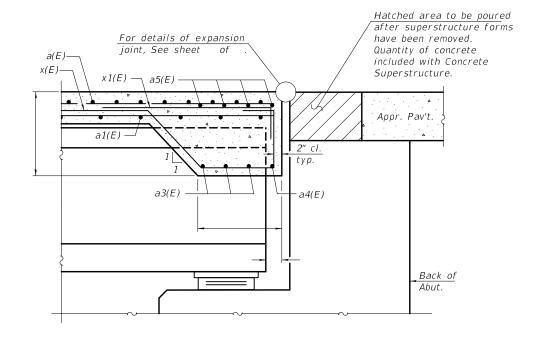
DIAPHRAGM AT ABUTMENT

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet of .

The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.

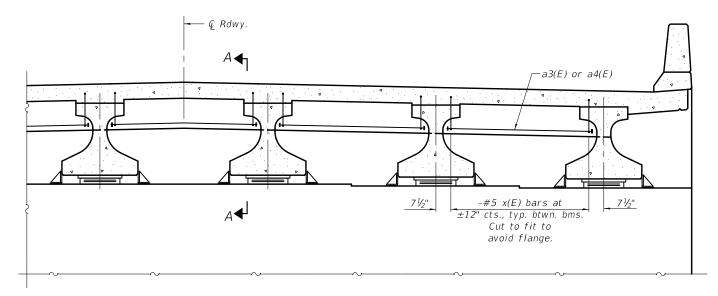
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL36-LR

Ī	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
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L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

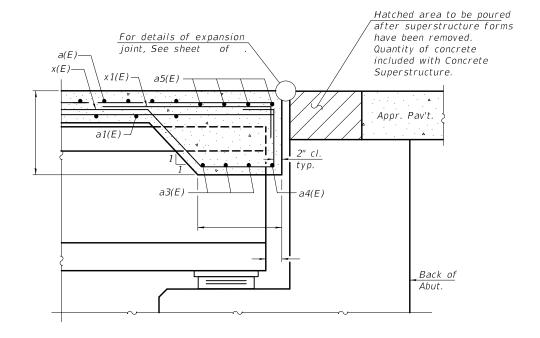


DIAPHRAGM AT ABUTMENT

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

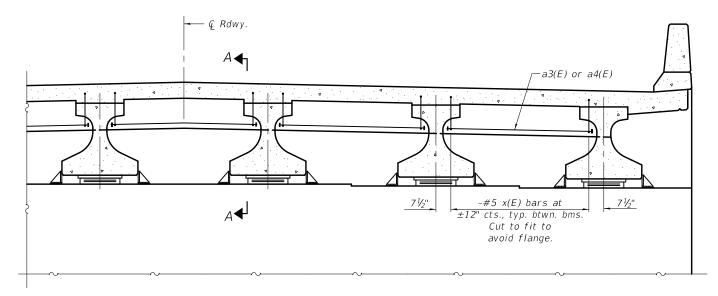
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DFA-1136N-0

DLA-ILJUN-U	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		1112			SHEETS NO.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	

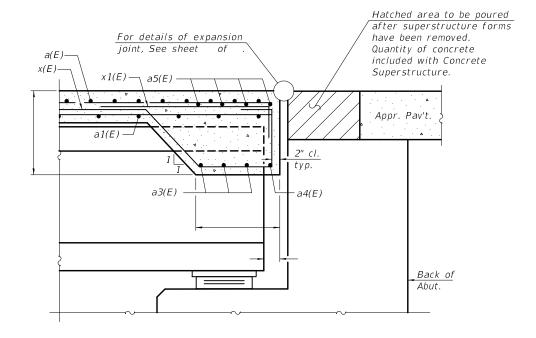


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

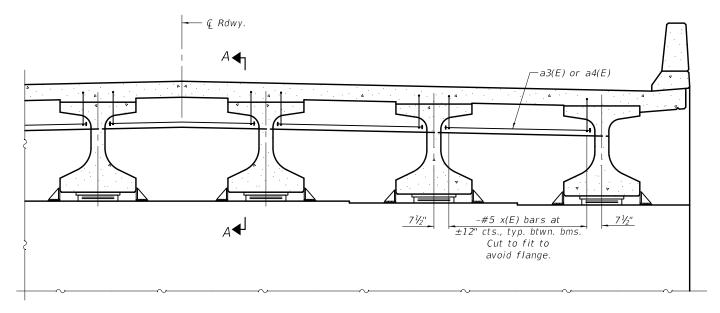
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL36N-LR

DLA-ILJUN-LN	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY TOTAL	SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		100		- SHEETS	
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT NO.	
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	

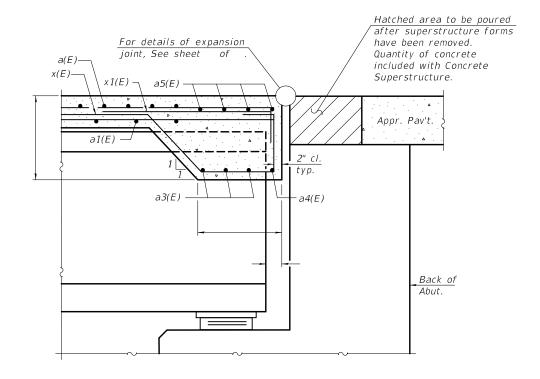


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure

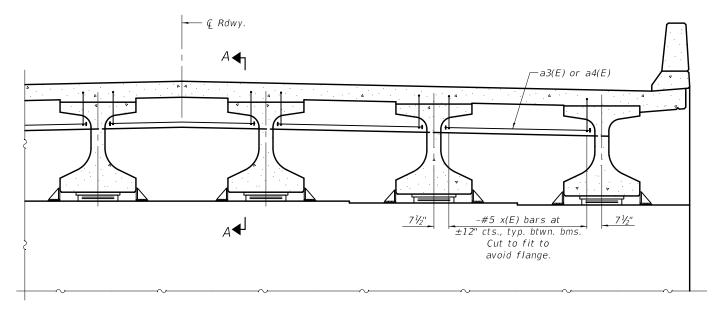
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-IL4554-0

DLA-IL4334-0	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		10.12.			SHEETS NO.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

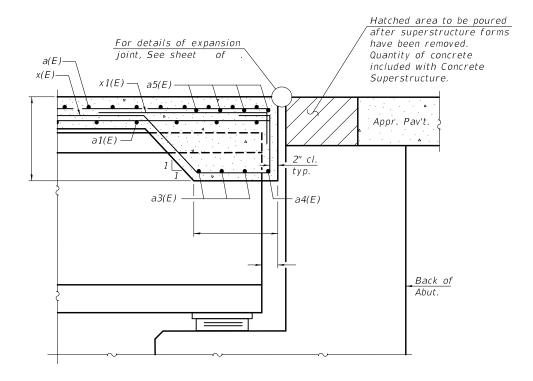


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $\ \ \ \$  of  $\ \ \ .$ 

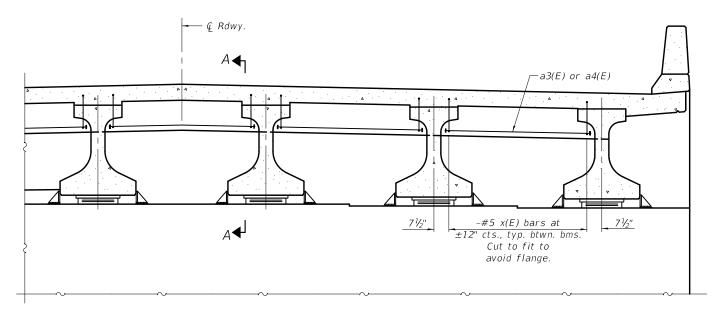
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL4554-LR

DLA-IL4JJ4-LN	2-17-2017								
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY TOTAL SHEETS	SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		1112.		SILETS	-110.
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT NO.	
	PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	$\overline{}$

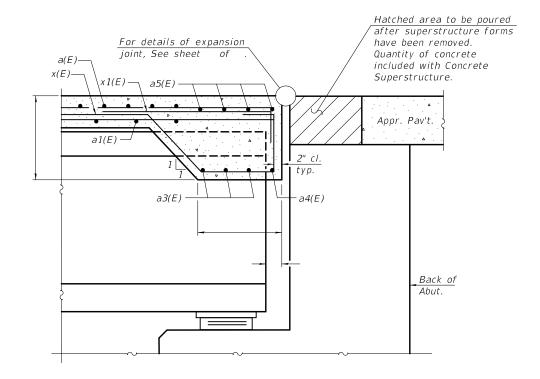


DIAPHRAGM AT ABUTMENT

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

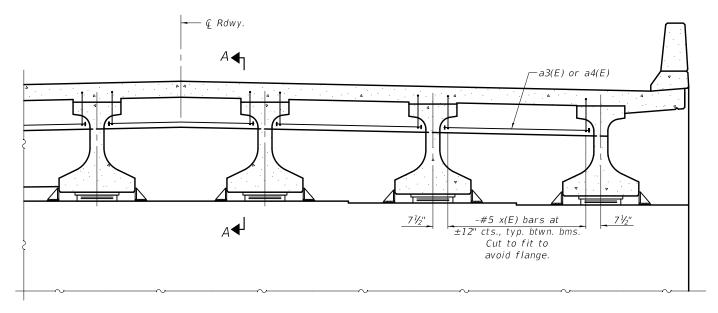
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-IL4554N-0

DEA ILTSSTN 0	2-17-2017						
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A. SECTION COUNTY S	TOTAL SHEET
		CHECKED -	REVISED -	STATE OF ILLINOIS		NIE.	TILL TO
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.	CONTRACT	NO.
	PLOT DATE =	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT	

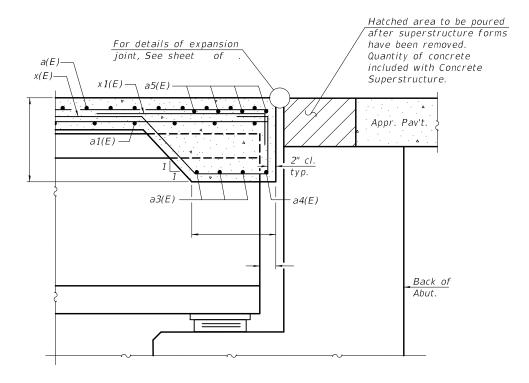


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $\ \ \ \$  of  $\ \ \ .$ 

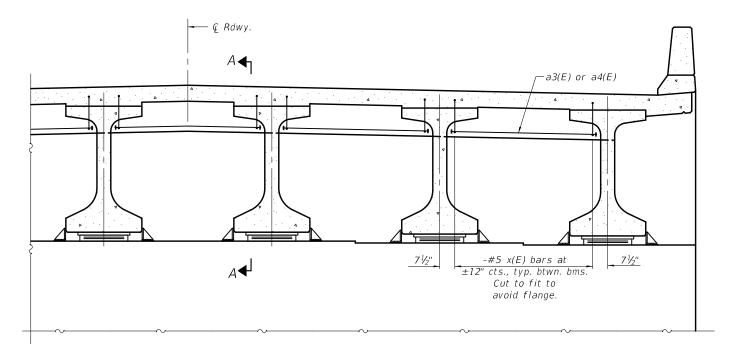
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL4554N-LR

FIL	LE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS	OTPLICTURE NO	11.12.			SHEETS NO.
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NU.			CONTRACT	NO.
		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	

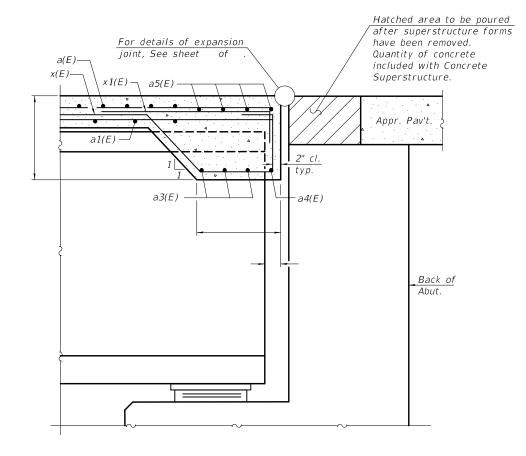


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$ 

Concrete in diaphragm is included with Concrete Superstructure

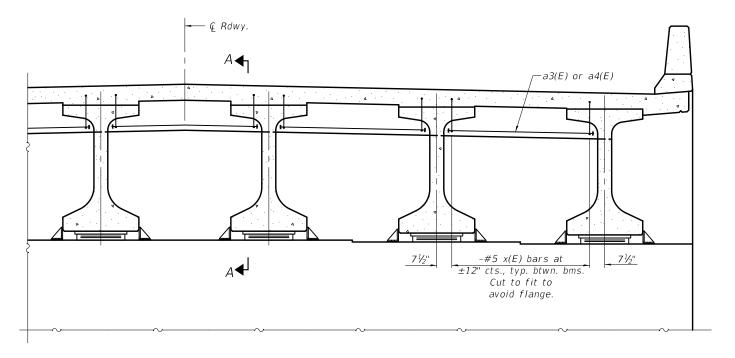
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-IL6372-0

F	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY T	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS		1112			100
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT N	١٥.
L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	

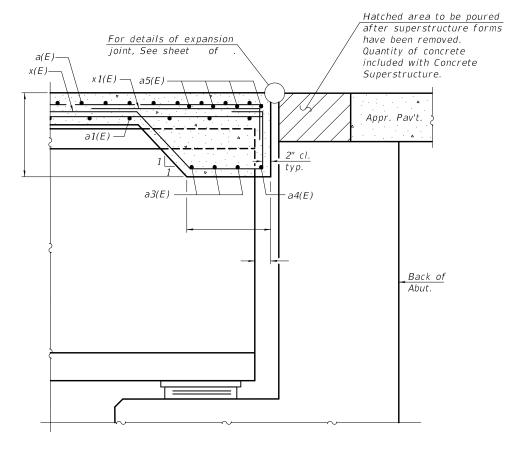


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

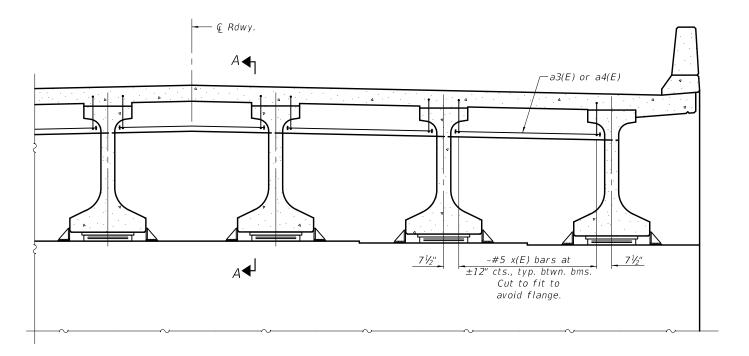
The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL6372-LR

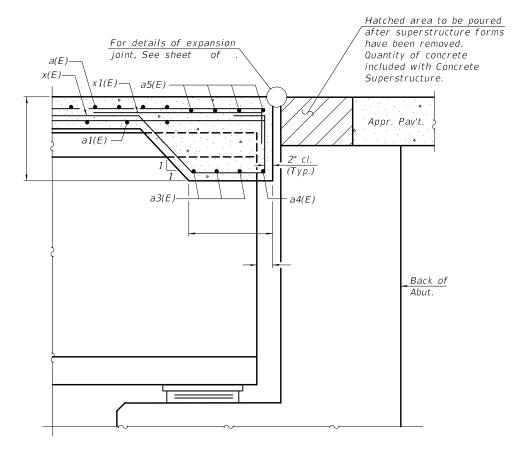
FIL	LE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS	OTPLICTURE NO	11.12.			SHEETS NO.
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NU.			CONTRACT	NO.
		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED.	AID PROJECT	



Notes:

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

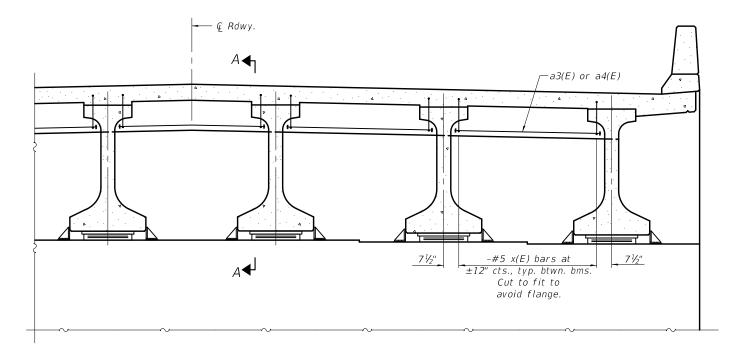
For details of bars x(E) and x1(E) see sheet of .



SECTION A-A

DEA-IL6372N-0

DLA-ILOS/ZN-0	2-17-2017						
FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A. SECTION COUNTY SHEETS NO	.T]
		CHECKED -	REVISED -	STATE OF ILLINOIS		NILE SILLETS NO.	$\dashv$
	PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.	CONTRACT NO.	1
	PLOT DATE =	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT	Η.

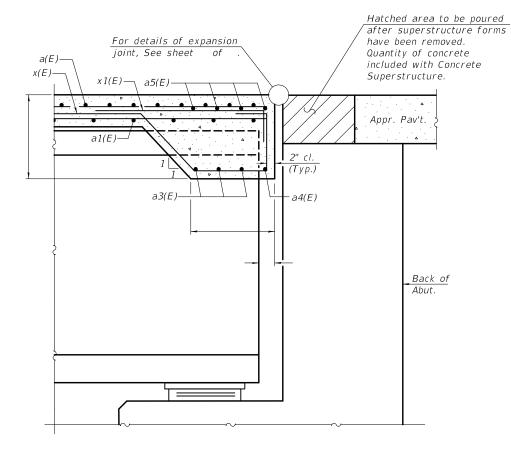


Notes:

Reinforcement bars in diaphragm are billed with superstructure on sheet of .

Concrete in diaphragm is included with Concrete Superstructure on sheet  $% \left( 1\right) =\left( 1\right) \left( 1\right)$  of .

The x(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams. For details of bars x(E) and x1(E) see sheet of .



SECTION A-A
(at Rt. L's)

DEA-IL6372N-LR

F	FILE NAME =	USER NAME =	DESIGNED -	REVISED -		DIAPHRAGM DETAILS	F.A.	SECTION	COUNTY T	TOTAL SHEET
			CHECKED -	REVISED -	STATE OF ILLINOIS		1412			100
		PLOT SCALE =	DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION	STRUCTURE NO.			CONTRACT N	١٥.
L		PLOT DATE =	CHECKED -	REVISED -				ILLINOIS FED. A	AID PROJECT	